```
EEEEEEEEEEEEEEEEE    RRRRRRRRRRRR           FFFFFFFFFFFFFFFF
EEEEEEEEEEEEEEEEE    RRRRRRRRRRRR           FFFFFFFFFFFFFFFF
EEEEEEEEEEEEEEEEE    RRRRRRRRRRRR           FFFFFFFFFFFFFFFF
EEE                  RRR         RRR        FFF
EEE                  RRR         RRR        FFF
EEE                  RRR         RRR        FFF
EEE                  RRR         RRR        FFF
EEE                  RRR         RRR        FFF
EEE                  RRR         RRR        FFF
EEEEEEEEEEEE         RRRRRRRRRRRR           FFFFFFFFFFFF
EEEEEEEEEEEE         RRRRRRRRRRRR           FFFFFFFFFFFF
EEEEEEEEEEEE         RRRRRRRRRRRR           FFFFFFFFFFFF
EEE                  RRR    RRR             FFF
EEE                  RRR    RRR             FFF
EEE                  RRR    RRR             FFF
EEE                  RRR       RRR          FFF
EEE                  RRR       RRR          FFF
EEE                  RRR       RRR          FFF
EEEEEEEEEEEEEEEEE    RRR          RRR       FFF
EEEEEEEEEEEEEEEEE    RRR          RRR       FFF
EEEEEEEEEEEEEEEEE    RRR          RRR       FFF
```

OPNOUTFIL

LIS

```
0001      C
0002      C Version:        'V04-000'
0003      C
0004      C********************************************************************
0005      C*                                                                  *
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0023      C*                                                                  *
0024      C*                                                                  *
0025      C********************************************************************
0026      C
0027      C
0028      C
0029      C        AUTHOR: Elliott A. Drayton          CREATION DATE: 15-Dec-1982
0030      C
0031      C        Functional description:
0032      C
0033      C
0034      C        This module opens the file specified by OUTPUT_FILE_STRING.
0035      C        If the open is successful then we returns to the caller,
0036      C        else we signal the error and stop the image.
0037      C
0038      C
0039      C        Modified by:
0040      C
0041      C        V03-005 EAD0189         Elliott A. Drayton              6-Jul-1984
0042      C                Remove LSTLUN from the parmeter list, it is in SYECOM.
0043      C
0044      C        V03-004 EAD0131         Elliott A. Drayton              9-Apr-1984
0045      C                Changed the carriage control from fortran to list.
0046      C
0047      C        V03-003 EAD0003         Elliott A. Drayton             23-Aug-1983
0048      C                Add an assignment for FORMS when SYS$OUTPUT is not uesed.
0049      C
0050      C        V03-002 EAD0002         Elliott A. Drayton             23-Jun-1983
0051      C                Changed the default for FORMS to true.
0052      C
0053      C        V03-001 EAD0001         Elliott A. Drayton             20-Jun-1983
0054      C                Changed error message from SYE to ERF.
0055      C
0056      C**
0057
```

```
0058            Subroutine Open_out_file ( output_file_string )
0059
0060
0061            Include 'SRC$:SYECOM.FOR/NOLIST'
0189
0190            Character*(*)    output_file_string
0191            Integer*4        output_file_string_length
0192
0193            Integer*4        fnum,rmssts,rmsstv,iunit,condval
0194
0195            Integer*4        Term_dev
0196
0197            Integer          sys$output
0198
0199            External         sys$output_open
0200            External         lstlun_open
0201
0202            Forms = .FALSE.
0203
0204            Printer = .FALSE.
0205
0206            Lstlun = 2
0207
0208            Term_dev = 4
0209
0210            Sys$output = 6
0211
0212            output_file_string_length = LEN (output_file_string)
0213
0214            open(   unit = sys$output,
0215            1       name = 'sys$output',
0216            1       type = 'new',
0217            1       access = 'sequential',
0218            1       useropen = sys$output_open,
0219            1       carriagecontrol = 'list')
0220
0221            if (output_file_string .ne. 'SYS$OUTPUT') then
0222
0223            Forms = .TRUE.
0224            open(   unit = lstlun,
0225            1       name = output_file_string(1:output_file_string_length),
0226            1       err  = 200,
0227            1       type = 'new',
0228            1       access = 'sequential',
0229            1       useropen = lstlun_open,
0230            1       carriagecontrol = 'list')
0231
0232                   IF (FORMS
0233            1       .AND.
0234            2       JIAND(DEV_CHAR,TERM_DEV) .EQ. 0) PRINTER = .TRUE.
0235            ELSE
0236
0237              lstlun = sys$output
0238
0239            ENDIF
0240
0241
```

```
0242              return
0243
0244    200       Call ERRSNS (fnum,rmssts,rmsstv,iunit,condval)
0245
0246              If (rmssts .eq. 0) then
0247                 Call LIB$INSV (3,0,3,condval)
0248                 Call LIB$SIGNAL (%VAL(condval),%VAL(3),%VAL(iunit),
0249    1 output_file_string(1:output_file_string_length))
0250              Else
0251                 Call LIB$INSV (3,0,3,rmssts)
0252                 Call LIB$SIGNAL (%VAL(rmssts),%VAL(rmsstv))
0253              ENDIF
0254
0255              Print 9000
0256    9000      Format (1x, 'ERF-F-OPENERR, FATAL OPEN ERROR ON FILE')
0257
0258              Print 9010, output_file_string
0259    9010      Format (1x, a80)
0260
0261              Call exit
0262              end
```

PROGRAM SECTIONS

	Name	Bytes	Attributes
0	$CODE	268	PIC CON REL LCL SHR EXE RD NOWRT LONG
1	$PDATA	78	PIC CON REL LCL SHR NOEXE RD NOWRT LONG
2	$LOCAL	244	PIC CON REL LCL NOSHR NOEXE RD WRT LONG
3	SYECOM	44	PIC OVR REL GBL SHR NOEXE RD WRT LONG

Total Space Allocated   634

ENTRY POINTS

Address	Type	Name
0-00000000		OPEN_OUT_FILE

VARIABLES

Address	Type	Name	Address	Type	Name
2-00000014	I*4	CONDVAL	3-00000012	L*1	CP-11750
3-00000011	L*1	CP_11780	3-00000013	L*1	CP-117ZZ
3-00000014	L*4	CRYPTK_FLAG	3-0000000D	I*4	DEV_CHAR
3-0000001E	L*1	END_VALUE	3-0000001D	L*1	EOF_FLAG
2-00000004	I*4	FNUM	3-00000004	L*4	FORMS
2-00000010	I*4	IUNIT	3-0000000C	L*1	LINES
3-00000027	I*4	LSTLUN	3-0000001F	I*4	MAILBOX_CHANNEL
3-0000002B	CHAR	OPTIONS	AP-0000004a	CHAR	OUTPUT_FILE_STRING
2-00000000	I*4	OUTPUT_FILE_STRING_LENGTH	3-00000008	L*4	PRINTER

```
3-00000000  I*4  RECCNT                    3-00000023  I*4  RECORD_SIZE
2-00000008  I*4  RMSSTS                    2-0000000C  I*4  RMSSTV
2-0000001C  I*4  SYS$OUTPUT                2-00000018  I*4  TERM_DEV
3-00000019  L*1  VALID_CLASS               3-0000001A  L*1  VALID_CPU
3-0000001B  L*1  VALID_ENTRY               3-0000001C  L*1  VALID_TYPE
3-00000018  L*1  VOLUME_OUTPUT
```

LABELS

Address	Label	Address	Label	Address	Label
0-00000077	200	1-00000013	9000'	1-0000003F	9010'

FUNCTIONS AND SUBROUTINES REFERENCED

Type	Name	Type	Name	Type	Name
	FOR$ERRSNS		FOR$EXIT		FOR$OPEN
	LIB$INSV		LIB$SIGNAL		LSTLUN_OPEN
	SYS$OUTPUT_OPEN				

COMMAND QUALIFIERS

FORTRAN /LIS=LIS$:OPNOUTFIL/OBJ=OBJ$:OPNOUTFIL MSRC$:OPNOUTFIL

/CHECK=(NOBOUNDS,OVERFLOW,NOUNDERFLOW)
/DEBUG=(NOSYMBOLS,TRACEBACK)
/STANDARD=(NOSYNTAX,NOSOURCE_FORM)
/SHOW=(NOPREPROCESSOR,NOINCLUDE,MAP)
/F77 /NOG_FLOATING /I4 /OPTIMIZE /WARNINGS /NOD_LINES /NOCROSS_REFERENCE /NOMACHINE_CODE /CONTINUATIONS=19

COMPILATION STATISTICS

```
Run Time:          1.85 seconds
Elapsed Time:      5.87 seconds
Page Faults:       113
Dynamic Memory:    170 pages
```

DIGITAL EQUIPMENT CORPORATION

PADRIVER
LIS

OUTPUT
LIS

NEW_RTN
LIS

MT_DISMT
LIS

OPNOUTFIL
LIS

OUTPUTD
LIS

NEWFILE
LIS